

Abstract

Installation for the heat-treatment of parts

The invention relates to an installation for the heat-treatment of parts (2), which comprises a rotary hearth (4) that can be rotated in a timed manner
5 and which has an outer and an inner wall (4, 5) limiting a furnace chamber that is divided up into a heating zone (6) and at least one treatment zone (7 to 9) by means of vertically movable doors (5a-5e), the outer wall (4) in the heating zone (6) being provided with a closable opening (11) for charging or dis-
charging the furnace. The installation further comprises a transport device for
10 transporting the parts into or out of the rotary hearth furnace and a quenching device (19).

According to the invention, a second closable opening (16) is disposed in the outer wall (2) of the rotary hearth furnace (1) in the last treatment zone. A
sluice (17) is disposed adjacent to said second opening (16). The quenching
15 device (19) is designed as a quenching bath and connected to the rotary hearth furnace by means of the sluice (17).

Fig.1